

**ABSTRACT**

Methods and kits are provided for separating a mixture of proteins in a biological sample. Methods for detecting and profiling proteins in biological samples by the separation  
5 method and kits are also provided. These methods are particularly useful in assessing damage to cells such as cardiac and skeletal muscle cells and in the early clinical diagnosis of myocardial damage by detection of myofilament proteins in serum of a subject.

09934297 "082101